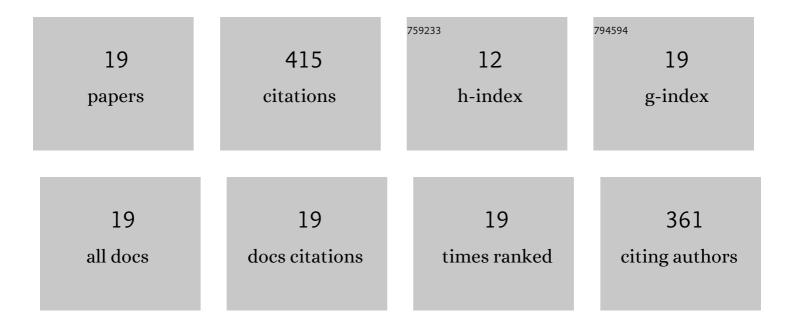
## Avijit Das

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11282330/publications.pdf Version: 2024-02-01



Δνιμτ Πλς

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Robust and Self-Healable Bulk-Superhydrophobic Polymeric Coating. Chemistry of Materials, 2017, 29,<br>8720-8728.  | 6.7  | 65        |
| 2  | Role of chemistry in bio-inspired liquid wettability. Chemical Society Reviews, 2022, 51, 5452-5497.   | 38.1 | 53        |
| 3  | Synthesis of fish scale and lotus leaf mimicking, stretchable and durable multilayers. Journal of<br>Materials Chemistry A, 2018, 6, 15993-16002.  | 10.3 | 37        |
| 4  | Synergistic chemical patterns on a hydrophilic slippery liquid infused porous surface (SLIPS) for water harvesting applications. Journal of Materials Chemistry A, 2020, 8, 25040-25046.                           | 10.3 | 30        |
| 5  | Strategic Formulation of Graphene Oxide Sheets for Flexible Monoliths and Robust Polymeric<br>Coatings Embedded with Durable Bioinspired Wettability. ACS Applied Materials & Interfaces, 2017,<br>9, 42354-42365. | 8.0  | 26        |
| 6  | Porous and reactive polymeric interfaces: an emerging avenue for achieving durable and functional bio-inspired wettability. Journal of Materials Chemistry A, 2021, 9, 824-856.                                    | 10.3 | 24        |
| 7  | Hydrophobicity or superhydrophobicity—which is the right choice for stabilizing underwater<br>superoleophilicity?. Journal of Materials Chemistry A, 2020, 8, 97-106.  | 10.3 | 20        |
| 8  | Synthesis of Dual-Functional and Robust Underwater Superoleophobic Interfaces. ACS Applied<br>Materials & Interfaces, 2019, 11, 28571-28581.   | 8.0  | 19        |
| 9  | Sustainable Biomimicked Oil/Water Wettability That Performs Under Severe Challenges. ACS<br>Sustainable Chemistry and Engineering, 2019, 7, 11350-11359.   | 6.7  | 18        |
| 10 | How Does Chemistry Influence Liquid Wettability on Liquid-Infused Porous Surface?. ACS Applied<br>Materials & Interfaces, 2020, 12, 14531-14541.   | 8.0  | 16        |
| 11 | Facile optimization of hierarchical topography and chemistry on magnetically active graphene oxide nanosheets. Chemical Science, 2020, 11, 6556-6566.  | 7.4  | 16        |
| 12 | Design of †tolerant and hard' superhydrophobic coatings to freeze physical deformation. Materials<br>Horizons, 2021, 8, 2717-2725.   | 12.2 | 15        |
| 13 | Michael Addition Reaction Assisted Derivation of Functional and Durable Superhydrophobic<br>Interfaces. Chemistry of Materials, 2021, 33, 8941-8959.   | 6.7  | 14        |
| 14 | Reduction of imine-based cross-linkages to achieve sustainable underwater superoleophobicity that<br>performs under challenging conditions. Journal of Materials Chemistry A, 2020, 8, 15148-15156.                | 10.3 | 13        |
| 15 | Catalyst-Free and Rapid Chemical Approach for in Situ Growth of "Chemically Reactive―and Porous<br>Polymeric Coating. ACS Applied Materials & Interfaces, 2019, 11, 34316-34329.                                   | 8.0  | 12        |
| 16 | Customizing oil-wettability in air—without affecting extreme water repellency. Nanoscale, 2020, 12,<br>24349-24356.  | 5.6  | 12        |
| 17 | Rapid and Scalable Synthesis of a Vanillin-Based Organogelator and Its Durable Composite for a<br>Comprehensive Remediation of Crude-Oil Spillages. ACS Applied Materials & Interfaces, 2021, 13,<br>46803-46812.  | 8.0  | 11        |
| 18 | Small molecules derived Tailored-Superhydrophobicity on fibrous and porous Substrates—with superior tolerance. Chemical Engineering Journal, 2022, 430, 132597.  | 12.7 | 8         |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Abrasion tolerant, non-stretchable and super-water-repellent conductive & ultrasensitive pattern<br>for identifying slow, fast, weak and strong human motions under diverse conditions. Materials<br>Horizons, 2021, 8, 2851-2858. | 12.2 | 6         |